

POWDER TONGUE RIVER BASIN, WY: SUMMARY OF POTENTIAL DAM AND RESERVOIR PROJECT LITERATURE

PROJECT NAME / SUPPLY	REPORT TITLE/LEVEL(2)/AUTHOR/DATE/RPT. LOCATION T&R or Lat.Long./County and/or nearest Town	STORAGE/YIELD AF	ESTIMATED SHORTAGE AF	IRRIGATED ACRES	WATER USES (1)	FLAWS (3)	ESTIMATED CONSTRUCTION COST
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1) Water Use Codes: A = Agriculture, M = Municipal, I = Industrial, R = Recreation, P = Power, F = Flood Protection
 2) Work Level Completed: L 1 = Level 1/reconnaissance, L 2 = Level 2/concept designs, RP = report only
 3) Flaws: A = Ag land, T&E = T&E species, AS = Archeological Sites, WT = Wetlands, FL = Federal Land, IL = Indian Lands, WA = Wilderness Area, PI = Permitting Issues, UR = Urban/Residential uses, GF = Geology/Faults, S = Soils, B/C = Benefit/Cost, O = Other
 ~ = not available in document or unknown
 # = Documents map reservoir numbering system
 () = info not from document

Report on the Yellowstone River Basin of WY, MT, and ND RP/USACOE&WPA / 1932 / WWDO & St Library							
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Moorhead / Powder River	(T 9 S, R 47 E / Powder River Co, MT)	234,000 / ~	~	~	A	~	\$5,810,000
North Fork Reservoir / Tongue River	(T 55 N, R 89 W / Sheridan)	42,500 / ~	~	28,300	A	~	\$1,053,000
Rockwood Reservoir / Tongue	(T 55 N, R 88 W / Sheridan)	31,000 / ~	~	20,700	A	~	\$4,257,000
South Fork Reservoir / Tongue	(T 56 N, R 88 W / Sheridan)	25,000 / ~	~	16,700	A	~	\$1,673,000
Park Res Enl. / E Fk Goose&Cross	~ / Sheridan	7,347 / ~	~	3,600	A	~	\$127,000
Henry Reservoir / Sand Creek	(Sec 25, T 50 N, R 82 W / Johnson)	20480 / ~	~	13,700	A	~	~
Piney Reservoir / S Fk Piney	~ / Johnson	5,251 / ~	~	3,500	A	~	\$156,250
Kearney Lake Enl. / S Fk Piney	~ / Sheridan	3800 / ~	~	900	A	~	~

Revised Project List, Irrigation and Storage, State of Wyoming by Drainage Basins, 1937 RP / WY St Planning Bd /1937/ WWDO&St Library							
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POWDER RIVER

Red Fork Reservoir	T 44 N, R 78 W / Johnson	51,500 / ~	~	~	A	~	\$600,000
Elk Lake #2 / Elk Creek	Sec 14, T 51 N, R 85 W / Johnson	2,500 / ~	~	~	A	~	\$8,000
Murphy Flats / S Fk Powder River	Sec 2, T 41 N, R 82 W / Johnson	1,040 / ~	~	~	A	~	\$1,400
Cottonwood Irrig.Res / S Fk Powder	Sec 22, T 53 N, R 70 W / Campbell	4,960 / ~	~	~	A	~	\$350,000
Henry Res / Clear	Sec 25, T 50 N, R 82 W / Johnson	480 / ~	~	~	A	~	\$200,000
Dry Cr Res # 1	Sec 5, T 50 N, R 82 W / Johnson	21,451 / ~	~	~	A	~	\$2267000 w/o canal
Briggs Res / upper Powder River	Sec 27, T 50 N, R 74 W / Campbell	1,131 / ~	~	~	A	~	\$8,000
Coal Draw Res / Salt Creek	Sec 12, T 40 N, R 79 W / Natrona	784 / ~	~	~	A	~	\$46,000
Cottonwood # 2 / S Fk Powder R	Sec 16, T 38 N, R 85 W / Natrona	822 / ~	~	~	A	~	\$6,225
Elk Lake # 1 Res / Clear Cr	Sec 15, T 51 N, R 85 W / Johnson	2,551 / ~	~	~	A	~	\$10,000
Elk Lake Res # 2 / Clear Cr	Sec 14, T 51 N, R 85 W / Johnson	2,580 / ~	~	~	A	~	\$8,000
Hawk Res / Crazy Woman	Sec 20, T 49 N, R 80 W / Johnson	517 / ~	~	~	A	~	\$5,500
Hazelton Res / Crazy Woman	Sec 33, T 48 N, R 84 W / Johnson	3,870 / ~	~	~	A	~	\$20,000
Indian Springs Res / S Fk Powder	Sec 16, T 39 N, R 84 W / Natrona	5,400 / ~	~	~	A	~	\$5,600
Keays Res / Crazy Woman	Sec 26, T 49 N, R 84 W / Johnson	3,920 / ~	~	~	A	~	\$60,500
Kelly Res / Crazy Woman	Sec 31, T 50 N, R 80 W / Johnson	567 / ~	~	~	A	~	\$1,000
Lewis Res / S Fk Powder	Sec 1, T 40 N, R 79 W / Natrona	934 / ~	~	~	A	~	\$101,000
Lone Tree #1&2 Enl./ Little Powder	Sec 17, T 53 N, R 70 W / Campbell	3,300 / ~	~	~	A	~	\$7,400
Mable Res / upper Powder River	Sec 15, T 46 N, R 75 W / Campbell	390 / ~	~	~	A	~	\$5,840
Midwest Res / Salt Creek	Sec 30, T 40 N, R 78 W / Natrona	5,485 / ~	~	~	A	~	\$60,000
WY Land Co #1 Res / Crazy Woman	Sec 15, T 50 N, R 81 W / Johnson	9,765 / ~	~	~	A	~	\$110,000
WY Land Co #2 Res / Crazy Woman	Sec 17, T 50 N, R 81 W / Johnson	21,390 / ~	~	~	A	~	\$130,000
WY Land Co #3 Res / Crazy Woman	Sec 11, T 50 N, R 81 W / Johnson	10,670 / ~	~	~	A	~	\$80,000
Red Man Draw Res / Clear Cr	Sec 7, T 51 N, R 81 W / Johnson	2,500 / ~	~	~	A	~	\$14,000
Seven Bros. Res / Clear Cr	Sec 2, T 50 N, R 85 W / Johnson	7,770 / ~	~	~	A	~	\$100,000
Sunset Res / S Fk Powder River	Sec 26, T 38 N, R 85 W / Natrona	3,200 / ~	~	~	A	~	\$4,000
Triangle Res / Clear Cr	Sec 31, T 51 N, R 84 W / Johnson	2,820 / ~	~	~	A	~	\$133,800
"41" Res / Crazy Woman	Sec 26, T 49 N, R 84 W / Johnson	608 / ~	~	~	A	~	\$10,700
Twin Lakes #1 Res / upper Tongue R	Sec 34, T 54 N, R 87 W / Sheridan	1,436 / ~	~	~	A	~	\$40,000

TONGUE RIVER

Parkman Irrig. District Res/ N FTongue	~ / Sheridan near Parkman	1,323 / ~	~	~	A	~	\$200,000
North Fk Res / upper Tongue River	T 55 N, R 89 W / Sheridan	42,500 / ~	~	~	A	~	\$1,053,000
Rockwood Res/ upper tongue River	T 56 N, R 88 W / Sheridan	31,000 / ~	~	~	A	~	\$4,257,000
South Fk Res / upper Tongue River	T 56 N, R 88 W / Sheridan	35,000 / ~	~	~	A	~	\$1,673,000
Lake Geneva Res/ upper Tongue R	Sec 19, T 52 N, R 86 W / Johnson	783 / ~	~	~	A	~	\$3,500

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Tongue River Res	Sec 11, T 57 N, R 84 W / Sheridan	1,337 / ~	~	~	A	~	\$17,000
Twin Ck Res / Little Big Horn River	Sec 2, T 57 N, R 88 W / Sheridan	1,000 / ~	~	~	A	~	\$6,800
Union #1 Res / upper Tongue River	Sec 21, T 53 N, R 86 W / Johnson	600 / ~	~	~	A	~	\$2,000
Willow Res / upper Tongue River	Sec 26, T 54 N, R 87 W / Sheridan	903 / ~	~	~	A	~	\$27,000
<u>Proposed Middle Fork Powder River Reservoir, Johnson County, Wyoming</u>							
<u>L II / WY St Planning Bd / 1940 / WWDO</u>							
Middle Fk Powder River Res	Sec 33, T 43 N, R 83 W / Johnson	41,000 / ~	~	12,000	A	~	\$548,634
<u>Summary of Investigations in the Powder and Tongue River Basins - Wyoming</u>							
<u>RP / USBR / 1952 / WWDO & St Library</u>							
Hole-in-the-Wall / Mid Fk Powder R	(T 43 N, R 83 W / Johnson)	55,000 / 45,000 / ~	~	~	A	~	~
Smith Res / N Fk Powder River	~	~	~	~	A	~	~
Prospector Res/ N Fk Powder River	(T 47 N, R 84 W / Johnson)	~	~	~	A	~	~
Triangle Park Res / N Fk Clear Cr	~	~	~	~	A	~	~
Camp Comfort Res / Clear Creek	(T 50 N, R 83 W / Johnson)	13,000 / ~	~	~	A	~	~
Horton Reservoir / French Cr	T 51 N, R 84 W / Johnson	~	~	~	A	~	~
Rockwood Res / upper Tongue R (report missing pages)	(T 55 N, R 88 W / Sheridan)	~	~	~	A	~	~
<u>Powder Division Wyoming and Montana, Missouri River Basin Project</u>							
<u>L I / USBR / 1956 / WWDO & St Library</u>							
Moorhead Res / Powder River	T 9 S, R 47 E / Powder River CO, MT	1,150,000/425,000	~	~	A,P,R	~	\$29,457,000
Hole-in-the-Wall / Mid Fk Powder R	T 43 N, R 83 W / Johnson	55,000 / 45,000	~	~	A	~	\$5,403,000
Prospector Res / Mid Fk Powder R	T 47 N, R 84 W / Johnson	10,400 / 10,300	~	~	A	~	\$2,318,000 est.
Camp Comfort Res / Clear Creek	T 50 N, R 83 W / Johnson	11,100 / 10,700	~	~	A	~	\$3,767,000
Horton Res / French Cr	T 51 N, R 84 W / Johnson	5,100 / 5,000	~	~	A	~	\$1,653,000
Willow Park Res / South Piney Cr	T 52 N, R 85 W / Johnson	13,200 / 12,900	~	~	A	~	\$3,905,000
<u>Water Resources Development and Utilization, Tongue River Basin - Wyoming</u>							
<u>L I / WY Nat Res Bd / 1958 / WWDO & St Library</u>							
Rockwood Res / Tongue River	Sec 23, T 55 N, R 88 W / Sheridan	30,000 / ~	~	~	A	~	\$3,100,000 (w/o canals)
N Fork (Tongue R) Res	Sec 4, T 55 N, R 89 W / Sheridan	4,000 / ~	~	~	A	~	\$495,000 (w/o canals)
<u>Preliminary Investigation of Water Storage and Possible Diversion to the Gillette Wyoming Area</u>							
<u>L I / Pilch Consl Eng. / 1966 / WWDO & ST Library</u>							
Indian Creek Res	Sec 20, T 49 N, R 77 W / Powder River	150,000 / ~	~	~	~	~	\$2,000,000
Lower 4 Mile Res	Sec 25, T 48 N, R 78 W / Powder River	150,000 / ~	~	~	~	~	\$2,250,000
Pumpkin Creek Res	Sec 13, T 46 N, R 78 W / Powder River	150,000 / ~	~	~	~	~	\$2,000,000
Big Willow Res	Sec 36, T 46 N, R 78 W / Powder River	50,000 / ~	~	~	~	~	~
<u>Reconnaissance Report on Moorhead Unit, Montana-Wyoming</u>							
<u>L I / USBR / 1969 / WWDO & St Library</u>							
Moorhead Dam & Res / Powder R	T9N, R46E / Powder River CO, MT & Campbell Co WY	1.2 M / ~	~	~	A,M,R,F	~	\$43,000,000
<u>Hole-In-The-Wall Dam And Reservoir</u>							
<u>L I / Powder RA&Banner / 1970 / WWDO & St Library</u>							
Hole -In-T-Wall / Mid Fk Powder R	Sec 33, T 43 N, R 83 W / Johnson	49,583 / ~	~	~	I	~	\$6,150,000
<u>Powder River Storage Development</u>							
<u>L II / SEO&Harza / 1974 / WWDO & St Library</u>							
Pumpkin Dam&Res / Powder River	Sec 12,13,14, T 47 N, R 78 W / Johnson	421,900 / 60,000	~	~	A	~	\$148,500,000
Lower Clear Creek	Sec 2,3, T 56 N, R 77 W / Sheridan	223,800 / 50,000	~	~	A	~	\$75,600,000
Lower Crazy Woman Creek	Sec 12,13,14, T 47 N, R 78 W / Johnson	91,200 / 13,400	~	~	A	~	\$116,800,000
Fortification Creek	Sec 12,13,14, T 47 N, R 78 W / Johnson	201,300 / 46,900	~	~	A	~	\$137,300,000
<u>Prefeasibility Study Tongue and Little Bighorn River Basin Project</u>							
<u>RP / SEO&CH2MHill / 1977 / WWDO&St Library</u>							
South Fork / S Fk Tongue River	T 56 N, R 88 W / Sheridan	27,300	~	~	A,M,I	~	\$20,789,000
Upper Stateline / Tongue River	T 58 N, R 83 W / Sheridan	204,000	~	~	A,M,I	~	\$46,645,000
Prairie Dog / Tongue River	T 58 N, R 83 W / Sheridan	39,000	~	~	A,M,I	~	\$20,923,000 w/o canal
Shutts Flats / S Fk Tongue River	T 55 N, R 88 W / Sheridan	11,400	~	~	A,M,I	~	\$5,370,000
<u>Park Reservoir Dam Near Sheridan, Wyoming</u>							
<u>L II / WWDC&WoodwardClyde / 1980 / WWDO</u>							
Park Res (rehab) / Big Goose Cr	Sec 15,16,21,22, T 53 N, R 86 W / Sheridan&Johnson	12,040 / ~	~	~	A	FL	\$3,798,000 (option 3)
<u>Reconnaissance Level Investigation Two Proposed Dam Sites...Located in Big Horn Mountains...</u>							

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	L I / (Lit'l Horn group)&Chen / WWDO & St Library						
Half Ounce / Little Big Horn River	Sec 12, T 56 N, R 91 W / Sheridan	34,000 / ~	~	~	A	FL	~
Dry Fork	Sec 28, T 57 N, R 89 W / Sheridan	30,000 / ~	~	~	A	FL	~
	Report to the Governor Little Big Horn Project L I / WWDC / 1981 / WWDO & St Library						
Dry Fork Res	~ / Sheridan	30,671 / 24,537	~	~	A,M	FL	\$34,400,000
Parkman Res / Twin Creek	~ / Sheridan	42,600 / 34,080	~	~	A,M	~	\$19,500,000
	Wyoming Water Development Program Project Evaluations RP / WWDC / 1982 / WWDO & St Library						
Little Big Horn & Fuller Rehab	~ / Sheridan	~	~	~	A	~	~
	Storage Developments for Water Supply Powder River Basin in Wyoming L I / WWDC&HARZA / 1983 / WWDO&St Library						
Middle Fork Enl.	Sec 33, T 43 N, R 83 W / Johnson	91,000 / ~	~	~	A, R	~	\$51,500,000 w/diversion
Crazy Woman Res	Sec 29&30, T 51 N, R 79 W / Johnson	80,000 / ~	~	~	A, R	~	\$50,000,000
Mid / Low Clear Creek Res	Sec 2&3, T 56 N, R 77 W / Johnson	123,000 / ~	~	~	A, R	~	\$119,000,000
	Level I Recon. Study of Supp. Municipal Water Supply for the City of Buffalo, WY L I / WWDC&Tipton Klambaugh / 1984/WWDO& St Library						
Little Sour Dough Cr Res	(T 14 N, R 85 W) / !2 miles SW of Buffalo / Johnson	2,642 / ~	~	~	M, R	~	\$8,845,000
	Water Development Potential in the Tongue River Basin, Level I Reconnaissance Study RP / WWDC / 1984 / WWDO & St Library						
South Fork / S Fk Tongue River	~ / Sheridan	27,300	~	~	A, M, I	PI, FL	\$20,789,000
Upper Stateline / Tongue River	T 58 N, R 83 W / Sheridan, WY & MT	204,000	~	~	A, M, I	~	\$46,645,000
Prairie Dog / Tongue River	Sec 23, T 58 N, R 83 W / Sheridan	39,000	~	~	A, M, I	~	\$20,923,000 w/o canal
Shutts Flats / S Fk Tongue River	~ / Sheridan	11,400	~	~	A, M, I	~	\$5,370,000
	Middle Fork Powder River Dam & Reservoir Project - Conceptual Design L II / WWDC&Harza Eng. / 1986 / WWDO&St Library						
Middle Fork Powder River Res	(Sec 33, T 43 N, R 83 W / Johnson)	32,000 / ~	~	~	A,M,I,R	~	\$34,000,000
	Powder / Tongue River Basin Plan RP / WWDC&HKM / 2002 / WWDO & St Library						
BEPC Sunrise Res / Lit Big Horn R	~	82,110 / ~	~	~	A,M,R	~	~
Upper State Line / Tongue River	~	~ / 75,000	~	~	A,M,R	~	~
Lake DeSmet Enl. / Piney	~	239,243 / ~	~	~	A,M,R	~	~
Crazy Woman Res	(Sec 12,13,14, T 47N, R 78 W / Johnson)	~ / 10,500	~	~	A,M,R	~	~
Moorehead Res / Powder River	(T 9 N, R 46 E / Powder R CO, MT & Campbell)	~ / 35,000	~	~	A,M,R	~	~
	Hopkins Producers ID Watershed/Storage Study L I / WWDC & States West / 2008 / WWDO & St Library						
Site 1 / French Cr	Sec 23, T 51 N, R 83 W / Johnson	500 / 465	~	~	A	~	\$4,600,000
Site 3 / French Cr	Sec 32, T 51 N, R 83 W / Johnson	3,500 / 2,230	~	~	A, M, R	FL	\$51,700,000
Site 8 / French Cr	Sec 36, T 51 N, R 84 W / Johnson	5,500 / 3,310	~	~	A, M, R	FL	\$39,900,000
	IN THE WORKS						
	Clear Creek Watershed/Storage Study L I / WWDC & States West / 2008 / WWDO & St Library						
	Sheridan Supplemental Storage L II / WWDC & HKM / 2009 / WWDO						